

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120721\
 Data File : VY006994.D
 Acq On : 07 Dec 2021 13:12
 Operator : SY/MD
 Sample : VSTD05009
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050809

Quant Time: Dec 08 01:17:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120721SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 08 01:13:32 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	159572	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	151512	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	74034	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	183618	76.993	ug/L	0.00
7) Chloroethane-d5	2.765	69	135768	73.295	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.851	63	270124	59.775	ug/L	0.00
21) 2-Butanone-d5	6.893	46	97886	112.396	ug/L	0.00
24) Chloroform-d	7.484	84	242796	57.916	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.143	65	143049	56.720	ug/L	0.00
32) Benzene-d6	8.112	84	472390	56.199	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.124	67	155874	57.559	ug/L	0.00
41) Toluene-d8	10.179	98	438619	56.086	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.441	79	74387	57.611	ug/L	0.00
47) 2-Hexanone-d5	10.788	63	74923	116.044	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.562	84	131406	57.324	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.721	152	133622	54.158	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	52828	51.745	ug/L	98
3) Chloromethane	2.113	50	123897	60.299	ug/L	100
5) Vinyl chloride	2.259	62	209554	67.012	ug/L	99
6) Bromomethane	2.662	94	124449	65.737	ug/L	97
8) Chloroethane	2.802	64	121814	64.863	ug/L	100
9) Trichlorofluoromethane	3.131	101	139612	63.476	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.899	101	115816	56.309	ug/L	96
12) 1,1-Dichloroethene	3.875	96	119158	54.388	ug/L	85
13) Acetone	3.954	43	78912	100.836	ug/L	98
14) Carbon disulfide	4.198	76	382862	53.016	ug/L	98
15) Methyl Acetate	4.479	43	93454	55.084	ug/L #	64
16) Methylene chloride	4.716	84	136429	46.266	ug/L	97
17) trans-1,2-Dichloroethene	5.222	96	126314	53.703	ug/L	97
18) Methyl tert-butyl Ether	5.222	73	244180	56.397	ug/L	100
19) 1,1-Dichloroethane	6.021	63	260821	57.951	ug/L	99
20) cis-1,2-Dichloroethene	6.984	96	139253	55.369	ug/L	99
22) 2-Butanone	6.990	43	124000	112.463	ug/L	100
23) Bromochloromethane	7.338	128	58816	51.466	ug/L	93
25) Chloroform	7.508	83	248177	55.386	ug/L	98
27) 1,2-Dichloroethane	8.240	62	178870	54.979	ug/L	100
29) Cyclohexane	7.789	56	246618	56.596	ug/L	100
30) 1,1,1-Trichloroethane	7.704	97	204213	52.414	ug/L	100
31) Carbon tetrachloride	7.905	117	186901	50.933	ug/L	100
33) Benzene	8.161	78	565087	54.305	ug/L	100
34) Trichloroethene	8.941	95	136254	53.566	ug/L	96
35) Methylcyclohexane	9.185	83	244762	53.919	ug/L	98
37) 1,2-Dichloropropane	9.216	63	153237	56.052	ug/L	100
38) Bromodichloromethane	9.496	83	191827	55.114	ug/L	99
39) cis-1,3-Dichloropropene	9.929	75	237961	56.341	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	282269	115.121	ug/L	100
42) Toluene	10.246	91	604606	54.738	ug/L	98
44) trans-1,3-Dichloropropene	10.465	75	222876	56.328	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.648	97	108227	54.309	ug/L	97
46) Tetrachloroethene	10.721	164	103312	49.813	ug/L	99
48) 2-Hexanone	10.831	43	194119	118.105	ug/L	100
49) Dibromochloromethane	10.983	129	126635	53.016	ug/L	97
50) 1,2-Dibromoethane	11.087	107	102422	54.175	ug/L	98
51) Chlorobenzene	11.514	112	351262	52.603	ug/L	98
52) Ethylbenzene	11.593	91	661372	55.860	ug/L	98
53) m,p-Xylene	11.703	106	241656	53.984	ug/L	98
54) o-Xylene	12.032	106	234298	55.626	ug/L	96
55) Styrene	12.044	104	420369	57.109	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.581	83	144621	58.637	ug/L	99
59) Bromoform	12.209	173	80568	55.203	ug/L	99
60) Isopropylbenzene	12.331	105	617558	58.766	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	106040	58.522	ug/L	99
62) 1,3,5-Trimethylbenzene	12.812	105	506351	58.723	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	501019	57.765	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	259069	52.722	ug/L	99
65) 1,4-Dichlorobenzene	13.446	146	262079	52.346	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	244722	55.850	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.355	75	25518	63.323	ug/L	96
69) 1,3,5-Trichlorobenzene	14.501	180	199339	60.804	ug/L	98
70) 1,2,4-trichlorobenzene	15.007	180	164664	61.041	ug/L	98
71) Naphthalene	15.239	128	344467	62.719	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	153894	64.691	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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